

Message Text

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TO AMEMBASSY MOSCOW

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TAGS: TGEN, US, UR

SUBJECT: S&T: ELECTROMETALLURGY: ELECTRON-BPAM
EVAPORATION (01.0303): EXCHANGE RAO NIMMAGGADA

REF: STATE 38753; MOSCOW 76 19482; STATE 76 257637

1. SEE SEPTTEL TRANSMITTING PROMISE LETTER TO MOVCHAN.
PLEASE TRANSMIT FOLLOWING PROMISE LETTER TO ANTONOV, WITH
COPIES TO MOVCHAN, GLEBOV AND ZARODOV.

2. 01.0303 - MARCH 4, 1977

DR. S. P. ANTONOV
STATE COMMITTEE FOR SCIENCE
AND TECHNOLOGY, U.S.S.R.
COUNCIL OF MINISTERS
MOSCOW, U.S.S.R.
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DEAR DR. ANTONOV:

I AM PLEASED THAT IN ACCORDANCE WITH OUR DISCUSSIONS OF
LAST JULY WE HAVE BEGUN THE EXCHANGE OF SPECIALISTS UNDER

OUR PROJECT ON ELECTRON-BEAM EVAPORATION OF METALLIC AND

NON-METALLIC MATERIALS IN VACUUM. WE ARE PLEASED TO HAVE DR. DEMCHISHIN HERE. HIS WORK WITH PROFESSORS BUNSHAH AND BARBEE WILL MATERIALLY ASSIST OUR JOINT EFFORTS ON THIS PROJECT.

WITH RESPECT TO THE EXCHANGE VISIT BY DR. RAO NIMMAGGADA, I SUGGEST HIS VISIT COMMENCE ON OR ABOUT MAY 1. BIOGRAPHIC INFORMATION AND THE PROPOSED PROGRAM ARE AS FOLLOWS.

BIOGRAPHIC

DR. NIMMAGGADA WAS BORN JULY 1, 1944 IN DONEPUDI, ANDHRA PRADESH, INDIA. HE RECEIVED HIS M.S. IN METALLURGICAL ENGINEERING FROM THE MICHIGAN TECHNOLOGICAL UNIVERSITY IN 1970, AND HIS PH.D. IN METALLURGY AND METAL PROCESSING FROM THE UNIVERSITY OF CALIFORNIA AT LOS ANGELES IN 1975. DR. NIMMAGGADA IS EMPLOYED BY THE MATERIALS DEPARTMENT OF THE UNIVERSITY OF CALIFORNIA, SPECIALIZING IN SYNTHESIS AND CHARACTERIZED COATINGS OF VARIOUS SYSTEMS. DR. NIMMAGGADA HAS CO-AUTHORED SEVERAL PUBLICATIONS IN HIS FIELD OF SPECIALTY.

PROPOSED PROGRAM

THREE WEEKS AT THE PATON WELDING INSTITUTE, KIEV, WITH DR. MOVCHAN AND DR. DEMCHISHIN, ON THE DIRECT EVAPORATION OF REFRACTORY COMPOUNDS AND CERMETS.

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TWO WEEKS AT THE ALL-UNION INSTITUTE FOR SCIENTIFIC INSTRUMENTS, MOSCOW, WITH DR. V. N. ANDREEV, PROVIDED THERE IS AN OPPORTUNITY FOR DETAILED DISCUSSIONS REGARDING COATING OF HIGH SPEED STEEL TOOLS WITH TITANIUM NITRIDE AND VISITS TO INSTITUTE(S) WHERE SUCH WORK IS BEING CARRIED OUT. THE SEPTEMBER 17, 1976 RECORD OF THE MEETINGS IN KIEV AND MOSCOW, SIGNED BY MR. GLEBOV AND PROFESSOR BUNSHAH, PROVIDED THAT THE "INSTITUTE FOR COATING OF HIGH SPEED STEEL WITH TITANIUM NITRIDE" SHOULD BE INCLUDED IN FUTURE VISITS BY THE U.S. MEMBERS OF THE WORKING GROUP.

I WOULD APPRECIATE RECEIVING CONFIRMATION AS TO THE DATES DR. NIMMAGGADA CAN BE RECEIVED, AND THAT THE PROGRAM OF HIS VISIT WILL INCLUDE THE OPPORTUNITY FOR DISCUSSIONS AND VISITS AT THE INSTITUTE WHERE TITANIUM NITRIDE COATINGS ARE DEPOSITED ON HIGH SPEED STEEL TOOLS. DR. BUNSHAH CONSIDERS THIS ESSENTIAL TO THE PROGRAM.

WITH BEST WISHES,

SINCERELY,

N. E. PROMISEL
U.S. CHAIRMAN, WORKING GROUP
ON ELECTROMETALLURGY

CC: DR. MOVCHAN
-- MR. GLEBOV
-- MR. ZARODOV.

3. FYI. RECORD OF 01.0303 SEPTEMBER 1976 MEETING AND
TRIP REPORTS POUCHED MARCH 3, REGISTRY 3145435. ENF FYI.

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